

**Work Order ID 69610**

Thursday, May 12, 2011 3:14:29 PM



Page 1

Item ID: D3018-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Seat Cushion

Start Date: 5/12/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 5/16/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan: *K*Date: *11-05-13*

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D3018

Rev A

*11-05-13*

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: *14083*

Possible supplier: Chestnut Ridge Airflex fire-resistant aircraft cushioning

Order: Grade 55.65 (colour orange), Density 3.6lb/ft³

Material must meet FAR 27.853(a) or 25.853(a)

Part is symmetric about centerline-All dimensions

*11-05-13*  
*(4)*

110

0.00



Packaging

Packaging

Memo

0.00

Packaging

Ensure Material Release Note is attached

*11/6/12*  
*(4)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 69610**

Thursday, May 12, 2011 3:14:29 PM



Page 2

Item ID: D3018-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Seat Cushion

Start Date: 5/12/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 5/16/2011 Req'd Qty: 4.00



Customer:

Reference:

Run Start



Approvals:

Process Plan: \_\_\_\_\_

Date: \_\_\_\_\_

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

8 u166166

(x4)

130

Identify as per dwg &amp; Stock Location: 420A

0.00



Packaging

Memo

0.00

Packaging

11/6/62 (x4)

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

u16/728

C21106107

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Thursday, May 12, 2011 3:14:36 PM

Page 1

Work Order ID: 69610



Parent Item: D3018-1



Parent Item Name: Seat Cushion



Start Date: 5/12/2011

Required Date: 5/16/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP: B01.06.08Removed acid etch & alodine EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3018-IP  Seat Cushion		Purchased		No		110	Each	0.0000	1 	4		5/16/12 (4)	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

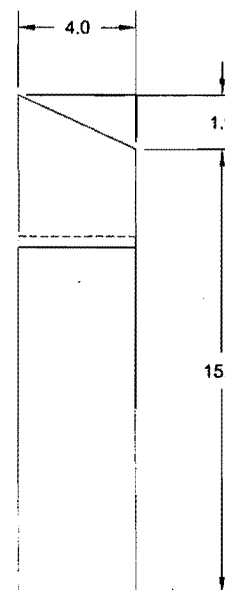
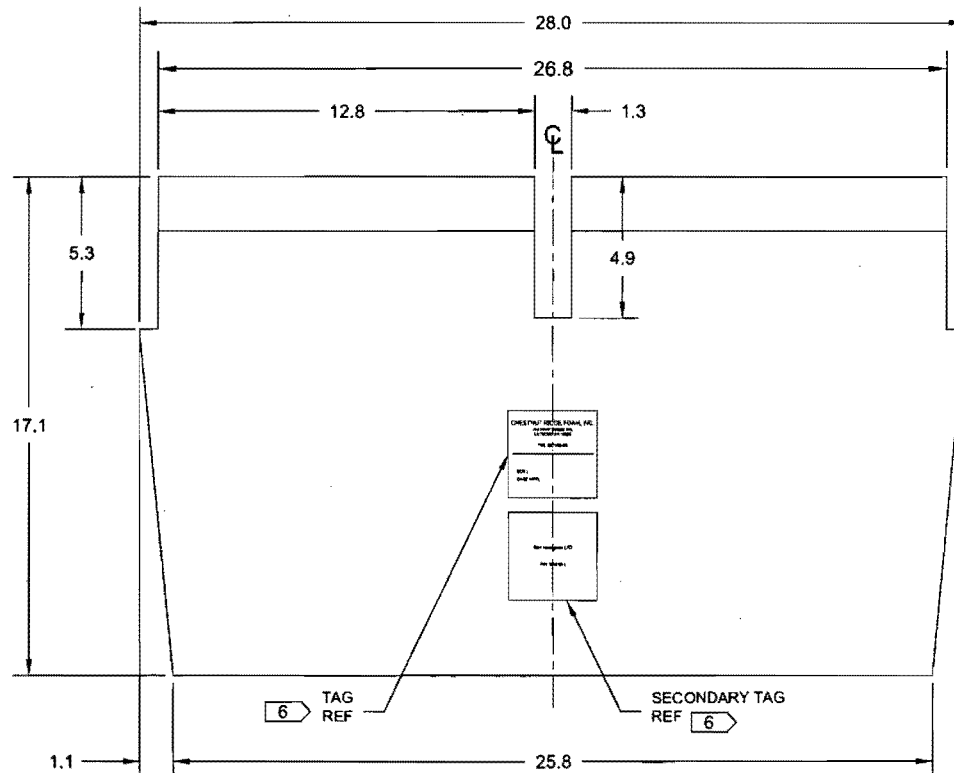
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# SPECIFICATION CONTROL DRAWING

TABLE 1									
THICKNESS/ HEIGHT	TOLERANCE		LENGTH/ DEPTH	TOLERANCE		WIDTH (LEFT TO RIGHT)	TOLERANCE		
	(+)	(-)		(+)	(-)		(+)	(-)	
0.0 - 0.50	0.05	0.05	0.00 - 5.00	0.05	0.05	0.00 - 6.00	0.05	0.05	
0.51 - 1.00	0.13	0.05	6.01 - 12.00	0.13	0.13	6.01 - 12.00	0.13	0.13	
1.01 - 3.00	0.13	0.05	12.01 - 24.00	0.25	0.25	12.01 - 24.00	0.25	0.25	
3.01 +	0.19	0.13	24.01 +	0.50	0.38	24.01 +	0.50	0.38	



SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 69614

*B/A-05-13*

RELEASED  
2011-05-10

## D3018-1 SEAT CUSHION

### NOTES:

- 1) MATERIAL: MUST MEET FAR 27.853(a) OR 25.853(a)  
AIRFLEX FIRE-RESISTANT AIRCRAFT CUSHIONING  
GRADE 55-65 (COLOUR ORANGE)  
DENSITY 3.6 lb/ft<sup>3</sup>
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A

### 6) IDENTIFICATION: TAG(S), BURNED, TO SHOW THE FOLLOWING AT MINIMUM:

CHESTNUT RIDGE FOAM, INC.  
443 WAREHOUSE DR.  
LATROBE, PA 15650  
SO#  
DATE MFD:  
DART AEROSPACE LTD. P/N D3018-1

- 7) PART IS SYMMETRICAL ABOUT CENTERLINE
- 8) MAKE PER TEMPLATE
- 9) POSSIBLE SUPPLIER: CHESTNUT RIDGE P/N 502148-99

B	UPDATE TO CURRENT STD; DRAWING REVISED IAW CHESTNUT RIDGE MFG DWG. REF: NCR11-588	MB	11.05.10
A	NEW ISSUE	CP	01.05.18
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>197</i>		
DRAWN	<i>197</i>		
CHECKED	<i>197</i>		
MFG. APPR.	<i>197</i>		
APPROVED	<i>197</i>		
DE APPR.	<i>197</i>		
DATE	11.05.10		

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3018  
SEAT CUSHION  
REV. B  
SHEET 1 OF 1  
SCALE  
NTS

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NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT  
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

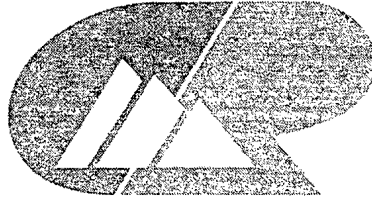
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



Chestnut Ridge Foam, Inc.  
443 Warehouse Drive  
P.O. Box 781  
Latrobe PA 15650

Phone: 724-537-9000  
Fax: 724-537-9003



Packing Slip: 52478

**PACKING SLIP**

Page: 1

**Ship To:**

Fed Exp #1517-9324-0  
Dart Aerospace Ltd.  
1270 Aberdeen Street  
Tel: 613-632-3336  
Hawkesbury ONTARIO, CANADA K6A 1K7

**Sold To:**

Bridgette Golden  
Dart Aerospace Ltd.  
1270 Aberdeen Street  
Tel: 613-632-3336  
Hawkesbury ONTARIO, CANADA K6A 1K7

PO: 14083  
Ship Date: 6/1/2011

Ship Via: Fed Exp P1  
SO: 41394

FOB: Origin  
Sales Person: Aircraft

*Ship ASAP. Certificate of Conformity that all components comply with 14CFR 25.853(a) 12  
second Vertical Burn with shipment*

Line	Planned Qty	Shipped Qty	Backorder	Part Number	Revision
1	4.00EA	4.00	0.00	D3018-1P	B
				Description: D3018-1P AIRFLEX Non-Flotation Bottom Cushion	
				Our Part: CRF#502148-99	
2	4.00EA	4.00	0.00	D3019-1P	B
				Description: D3019-1P AIRFLEX Back Cushion	
				Our Part: CRF#601988-99	

CONTACT CHESTNUT RIDGE FOAM IF THERE IS DAMAGE OR DISCREPANCIES 724-537-9000

111 111

111 111

111

111

111



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO14083

Purchase Order Date 5/13/2011

PO Print Date 5/13/2011

Page Number 1 of 1

Order From :

VU-CHE001

CHESTNUT RIDGE FOAM, INC.  
P.O. BOX 1331  
JOHNSTOWN,, PA 15907  
US

Contact Name  
Vendor Phone 724 537 9000  
Vendor Fax 724 537 9003  
Vendor Account Nbr

Buyer Brigitte Golden  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency USD  
FOB Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D3018-1P	Seat Cushion	5/20/2011 Yes	4.00 <del>Each</del>	FedEx PI collect	\$52.9957	\$211.98
		Special Inst: Per Dwg: D3018 Rev: B B69610 Airflex fire resistant aircraft cushioning, grade 55.65 (color orange) Density 3.6lb/cubic ft Material must meet far 27.853(a) or 25.853(a) Part is symmetric about centerline Mat. Cert. required					
2	D3019-1P	Back cushion	5/20/2011 Yes	4.00 Each	FedEx PI collect	\$39.8790	\$159.52
		Special Inst: Per Dwg: D3019 Rev: B B69614 Airflex fire resistant aircraft cushioning grade 30-40 (color green) Density 2.6 lb/cubic ft Material must meet far 27.853(a) or 25.853(a) Part is symmetric about centerline Mat. Cert. required					

PO Total: \$371.50

Change Nbr:

2

Change Date: 5/13/2011

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



**CHESTNUT RIDGE FOAM INC.  
VERTICAL BURN TEST # 13556  
12-SECOND VERTICAL BUNSEN BURNER TEST  
FOR CABIN AND CARGO COMPARTMENT MATERIALS  
SHOWING COMPLIANCE TO THE REQUIREMENTS OF 14 CFR 25.853**

PRODUCT: FR 4440 FABRIC  
BATCH/LOT NO. 7050  
CUSTOMER: PRODUCTION  
P.O. NO.  
OTHER IDENTIFICATION: SUPPLIED BY: HANES CONVERTING CO. OF CONOVER, NC  
ON INVOICE #62-094027

TEST BEING RUN: VERTICAL BUNSEN BURNER TEST: 12 SECOND IGNITION TIME

MATERIAL COMPOSITION: NA

MATERIAL PATTERN: WOVEN

MATERIAL COLOR: TAN

FLAME TEMPERATURE: 1559°F

CONDITIONING STARTED: DATE: 9-20-10  
TIME: 8:00 AM

TEST STARTED: DATE: 9-21-10  
TIME: 8:40 AM

**RESULTS**

	FLAME TIME (SECONDS)		DRIPPINGS (SECONDS)		BURN LENGTH (INCHES)	
	WARP	FILL	WARP	FILL	WARP	FILL
#1.	0.0	0.0	0.0	0.0	4.7	4.6
#2.	0.0	0.0	0.0	0.0	4.5	4.5
#3.	0.0	0.0	0.0	0.0	4.4	4.5
AVG.	0.0	0.0	0.0	0.0	4.5	4.5


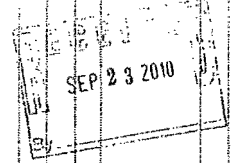
PASS X FAIL

**COMMENTS**

THIS MATERIAL MEETS THE REQUIREMENTS OF THE 14 CFR, PART 25, SECTION 25.853, PARAGRAPH (a) AND APPENDIX F, PART 1, (a), (1), (ii).

TESTED BY: KELLY BURES  
SR. LAB TECHNICIAN

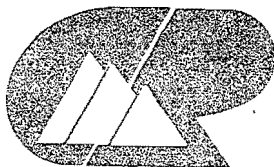
*Kelly Bures*

<b>CORPORATE OFFICE</b> 500 N. McLin Creek Rd. P. O. BOX 457 CONOVER, NC 28613-0457 PHONE (828) 464-4672 FAX (828) 464-0459								<b>INVOICE</b> PLEASE REMIT TO: HANES ENGINEERED MATERIALS L&P FINANCIAL SERVICES CO. P. O. BOX 60984 CHARLOTTE, NC 28260			
SOLD TO CHESTNUT RIDGE FOAM ROUTE 981 NORTH PO BOX 781 LA TROBE, PA 15650				SHIP TO CHESTNUT RIDGE FOAM ROUTE 981 NORTH PO BOX 781 LA TROBE, PA 15650							
INVOICE NUMBER 62-094027		INVOICE DATE 9/16/2010		TERMS NET 30		CARRIER USF HOLLAND INC		ROUTING		PPDC C	
CUSTOMER NO. 15985		CUSTOMER ORDER NO. 27218		SLS. MGR/SLSMAN 65 452		ORDER DATE 9/14/2010		FOB CONOVER, NC		BILL OF LADING DAY8 S/L 36350	
RELEASE # 010 04163											
PRODUCT NO. 30333	WIDTH 40.000	DEPTH 2.000	DESCRIPTION TICKING FR 4440				PUTUP 250 RL	GC CC	CS 2T	QTY 1	UNIT LN
CERTIFICATION: THE SELLER DOES NOT CERTIFY, EITHER IMPLICITLY OR EXPLICITLY, THESE PRODUCTS TO MEET THE REQUIREMENTS OF ANY REGULATORY AGENCY OR SPECIFICATION EXCEPT AS MAY BE CERTIFIED ABOVE OR UNDER SEPARATE WRITTEN CERTIFICATION. ALL TRANSACTIONS ARE SUBJECT TO THE CONDITIONS ON THE REVERSE SIDE OF THIS INVOICE.											
USF HOLLAND INC PROP 11505060529											
											
										TOTAL INVOICE AMOUNT	

15985  
ORIGINAL

300 THE LAWS OF THE STATE OF NORTH CAROLINA SHALL GOVERN THIS TRANSACTION. A LATE PAYMENT CHARGE AT A PER ANNUM RATE EQUAL TO THE PRIME RATE OF THE CHASE MANHATTAN BANK, N.A. IN EFFECT ON THE FIRST DAY OF EACH MONTH PLUS 2% OR 18% PER ANNUM, WHICHEVER RATE IS HIGHER, WILL BE IMPOSED ON THE FIRST OF EACH MONTH ON ALL PAST DUE INVOICES PAID DURING THE MONTH.





**Chestnut Ridge**  
Foam, Inc.

CERTIFICATE OF CONFORMANCE

SOLD TO:  
DART AEROSPACE  
1270 ABERDEEN STREET  
HAWKESBURY  
ONTARIO, CANADA

K6A 1K7

**"URGENT! FLAMMABILITY CERTIFICATION  
ENCLOSED. PLEASE FORWARD TO  
PURCHASING. DO NOT THROW AWAY!"**


PURCHASE ORDER: 14083  
SALES ORDER: 41394  
DATE SHIPPED: 06/01/2011

*I certify that the individual components comprising the part shipped  
against the above-referenced purchase order meets the following  
requirements:*

*Sublog*

14 CFR 25.853(a), APPENDIX F, PART 1(a)(1)(iii), AMENDMENT 25-116

Quantity	Customer Part Number	Part Number	Material	Batch Number
4	D3018-1P	502148-99	AIRELEX 55-65	AF11022
4	D3019-1P	601988-99	AIRFLEX 30-40	AF11016

  
Mark A. Brown  
Technical Director

MADE IN THE U.S.A





**CHESTNUT RIDGE FOAM INC.**  
**VERTICAL BURN TEST # 13860**  
**12-SECOND VERTICAL BUNSEN BURNER TEST**  
**FOR CABIN AND CARGO COMPARTMENT MATERIALS**  
**SHOWING COMPLIANCE TO THE REQUIREMENTS OF 14 CFR 25.853**

PRODUCT : AIRFLEX  
BATCH / LOT NO : AF11022  
CUSTOMER : PRODUCTION  
P.O. NO :  
OTHER IDENTIFICATION : AFX 55-65

TEST BEING RUN : VERTICAL BUNSEN BURNER TEST: 12 SECOND IGNITION TIME

MEETS REQUIRED MINIMUM FLAME TEMPERATURE OF 1550°F : YES

MATERIAL COMPOSITION : AIRFLEX

MATERIAL PATTERN : NA

MATERIAL COLOR : ORANGE

CONDITIONING STARTED : DATE : 5-13-11  
TIME : 3:00 PM

*S*  
*6/6/06*

TEST STARTED : DATE : 5-16-11  
TIME : 7:50 AM

RESULTS :

	FLAME TIME (SECONDS)	DRIPPINGS (SECONDS)	BURN LENGTH (INCHES)
#1.	0.0	0.0	6.3
#2.	0.0	0.0	5.5
#3.	0.0	0.0	6.5
AVG.	0.0	0.0	6.1

PASS : X      FAIL :

COMMENTS :

THIS MATERIAL MEETS THE REQUIREMENTS OF THE 14 CFR, PART 25, SECTION 25.853,  
PARAGRAPH (a) AND APPENDIX F, PART 1, (a), (1), (ii).

TESTED BY : BETH ULATSKY  
LAB TECHNICIAN

*Beth Ulatsky*



**CHESTNUT RIDGE FOAM INC.**  
**VERTICAL BURN TEST # 13794**  
**12-SECOND VERTICAL BUNSEN BURNER TEST**  
**FOR CABIN AND CARGO COMPARTMENT MATERIALS**  
**SHOWING COMPLIANCE TO THE REQUIREMENTS OF 14 CFR 25.853**

PRODUCT : AIRFLEX  
BATCH / LOT NO : AF11016  
CUSTOMER : PRODUCTION  
P.O. NO :  
OTHER IDENTIFICATION : AFX 30-40

TEST BEING RUN : VERTICAL BUNSEN BURNER TEST: 12 SECOND IGNITION TIME

MEETS REQUIRED MINIMUM FLAME TEMPERATURE OF 1550°F : YES

MATERIAL COMPOSITION : AIRFLEX

MATERIAL PATTERN : NA

MATERIAL COLOR : GREEN

CONDITIONING STARTED : DATE : 4-11-11  
TIME : 12:30 PM

TEST STARTED : DATE : 4-12-11  
TIME : 1:05 PM

**RESULTS :**

	FLAME TIME (SECONDS)	DRIPPINGS (SECONDS)	BURN LENGTH (INCHES)
#1.	0.0	0.0	4.5
#2.	0.0	0.0	5.0
#3.	0.0	0.0	4.7
AVG.	0.0	0.0	4.7

PASS : X      FAIL :

**COMMENTS :**

THIS MATERIAL MEETS THE REQUIREMENTS OF THE 14 CFR, PART 25, SECTION 25.853,  
PARAGRAPH (a) AND APPENDIX F, PART 1, (a), (1), (ii).

TESTED BY : KELLY BURES  
SR. LAB TECHNICIAN

